

Find the equation of the line with the given information.

- 1) Goes through the point (6, -2) and is parallel to $4x - 3y = -9$

$$m = \frac{4}{3}$$

$$y - (-2) = \frac{4}{3}(x - 6)$$

$$y + 2 = \frac{4}{3}x - 8$$

$$y = \frac{4}{3}x - 10$$

$$-3y = -4x - 9$$

$$y = \frac{4}{3}x + 3$$

- 2) Goes through the point (-1, 5) and is perpendicular to $2x + 4y = 7$

$$m = \frac{1}{2} \perp m = 2$$

$$2x + 4y = 7$$

$$y = -\frac{1}{2}x + \frac{7}{4}$$

$$y - 5 = 2(x + 1)$$

$$y - 5 = 2x + 2$$

$$y = 2x + 7$$

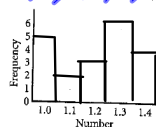
$$y = 2x + 7$$

2. 3, 6, 4, 8, 3, 9, 1, 7, 4, 3, 2, 3, 4, 8, 3, 1, 4, 0, 2, 3

Stem	Leaf
1.	7
2.	3, 3
3.	1, 6, 9
4.	0, 3, 8, 8

3. 1.0, 1.3, 1.1, 1.4, 1.4, 1.2, 1.4, 1.0, 1.0, 1.3, 1.4, 1.3, 1.2, 1.0, 1.3, 1.4, 1.2, 1.0, 1.3

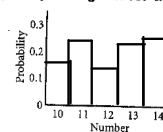
Number	Frequency
1.0	4
1.1	1
1.2	2
1.3	4
1.4	4



Complete the table, and make a relative frequency histogram for the data.

Number	Frequency	Relative frequency
10	8	$\frac{8}{50} = .16$
11	12	$\frac{12}{50} = .24$
12	7	$\frac{7}{50} = .14$
13	11	$\frac{11}{50} = .22$
14	12	$\frac{12}{50} = .24$

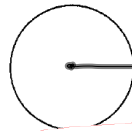
total 50



Make a circle graph for the data.

5. Motor Vehicle Registration by Type, 1994

Passenger cars	Motorcycles	Buses	Trucks
33.2%	0.9%	15.9%	50%



Handwritten calculations in red ink:

- For Passenger cars: $332(360)$ and 119.52°
- For Motorcycles: $0.9(360)$ and 3.24°
- For Buses: $15.9(360)$ and 57.24°
- For Trucks: 180°